



# Quarterly Hogs and Pigs

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## United States Hog Inventory Up 1 Percent

**United States inventory** of all hogs and pigs on September 1, 2020 was 79.1 million head. This was up 1 percent from September 1, 2019, but down 1 percent from June 1, 2020.

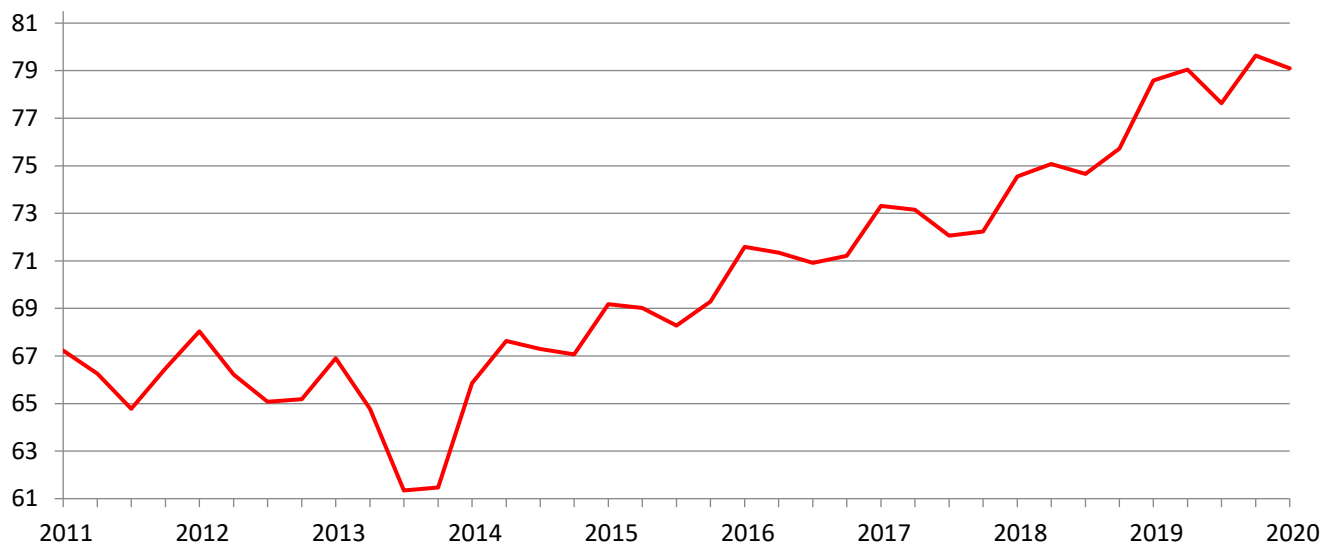
**Breeding inventory**, at 6.33 million head, was down 2 percent from last year, but up slightly from the previous quarter.

**Market hog inventory**, at 72.8 million head, was up 1 percent from last year, but down 1 percent from last quarter.

**The June-August 2020 pig crop**, at 35.1 million head, was down 3 percent from 2019. Sows farrowing during this period totaled 3.18 million head, down 3 percent from 2019. The sows farrowed during this quarter represented 50 percent of the breeding herd. The average pigs saved per litter was 11.04 for the June-August period, compared to 11.11 last year.

## Quarterly Hogs and Pigs Inventory - United States: September 1

Million head



**United States hog producers** intend to have 3.12 million sows farrow during the September-November 2020 quarter, down 5 percent from the actual farrowings during the same period one year earlier, and down 3 percent from the same period two years earlier. Intended farrowings for December 2020-February 2021, at 3.11 million sows, are down 1 percent from the same period one year earlier, but up slightly from the same period two years earlier.

The total number of hogs under contract owned by operations with over 5,000 head, but raised by contractees, accounted for 47 percent of the total United States hog inventory, down 1 percent from the previous year.

## Revisions

All inventory and pig crop estimates for September 2019 through June 2020 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. There were no revisions made to previous quarters.

## Records

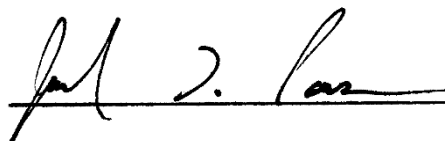
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on September 24, 2020.



Secretary of Agriculture  
Designate  
Robert Johansson



Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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# Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2019 and 2020

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Item	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory .....			
All hogs and pigs .....	74,661	77,629	104
Kept for breeding .....	6,349	6,375	100
Market .....	68,313	71,254	104
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,373	22,221	104
50-119 pounds .....	19,168	19,853	104
120-179 pounds .....	15,001	15,386	103
180 pounds and over .....	12,771	13,793	108
June 1 inventory .....			
All hogs and pigs .....	75,725	79,634	105
Kept for breeding .....	6,410	6,326	99
Market .....	69,316	73,308	106
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	22,210	22,160	100
50-119 pounds .....	19,693	20,370	103
120-179 pounds .....	14,396	16,090	112
180 pounds and over .....	13,017	14,687	113
September 1 inventory .....			
All hogs and pigs .....	78,583	79,099	101
Kept for breeding .....	6,431	6,333	98
Market .....	72,153	72,766	101
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	23,376	22,559	97
50-119 pounds .....	21,224	20,490	97
120-179 pounds .....	14,654	15,547	106
180 pounds and over .....	12,899	14,169	110
December 1 inventory .....			
All hogs and pigs .....	79,048		
Kept for breeding .....	6,471		
Market .....	72,577		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	22,648		
50-119 pounds .....	20,691		
120-179 pounds .....	15,321		
180 pounds and over .....	13,916		

## Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2018-2021

[December preceding year. Blank data cells indicate estimation period has not yet begun]

Item	2018	2019	2020	2021	2020 as percent of		2021 as percent of 2020
					2018	2019	
	(1,000 head)	(1,000 head)	(1,000 head)		(percent)	(percent)	
Sows farrowing .....							
December-February <sup>2</sup> .....	2,977	3,099	3,158	3,111	106	102	99
March-May .....	3,064	3,133	3,172		104	101	
December-May <sup>1</sup> .....	6,041	6,233	6,330		105	102	
June-August .....	3,172	3,275	3,180		100	97	
September-November <sup>3</sup> .....	3,205	3,265	3,118		97	95	
June-November <sup>1 4</sup> .....	6,377	6,540	6,298		99	96	
Pig crop .....							
December-February .....	31,497	33,163	34,734		110	105	
March-May .....	32,556	34,454	34,933		107	101	
December-May <sup>1</sup> .....	64,053	67,617	69,668		109	103	
June-August .....	34,019	36,369	35,115		103	97	
September-November .....	34,496	36,205					
June-November <sup>1</sup> .....	68,515	72,575					
	(number)	(number)	(number)		(percent)	(percent)	
Pigs per litter .....							
December-February .....	10.58	10.70	11.00		104	103	
March-May .....	10.63	11.00	11.01		104	100	
December-May .....	10.60	10.85	11.01		104	101	
June-August .....	10.72	11.11	11.04		103	99	
September-November .....	10.76	11.09					
June-November .....	10.74	11.10					

<sup>1</sup> May not add due to rounding.

<sup>2</sup> Intentions for 2021.

<sup>3</sup> Intentions for 2020.

<sup>4</sup> Actual farrowings for June-August plus intentions for September-November.

## Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2019 and 2020

[December preceding year. Blank data cells indicate estimation period has not yet begun]

Month	Sows farrowing <sup>1</sup>		Pigs per litter		Pig crop <sup>1</sup>	
	2019	2020	2019	2020	2019	2020
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	1,041	1,080	10.72	10.98	11,153	11,854
January .....	1,037	1,051	10.68	11.00	11,070	11,564
February .....	1,022	1,027	10.71	11.01	10,939	11,316
March .....	1,075	1,070	10.85	10.96	11,662	11,733
April .....	1,027	1,056	11.01	11.03	11,310	11,653
May .....	1,032	1,045	11.13	11.05	11,482	11,548
June .....	1,115	1,073	11.02	10.93	12,294	11,724
July .....	1,086	1,059	11.10	11.03	12,048	11,686
August .....	1,074	1,048	11.20	11.17	12,027	11,706
September .....	1,121		11.00		12,329	
October .....	1,086		11.10		12,055	
November .....	1,058		11.17		11,821	
Total .....	12,773		10.98		140,192	

<sup>1</sup> Monthly values may not add to quarterly or annual totals due to rounding.

## Breeding, Market, and Total Inventory – States and United States: March 1, 2019 and 2020

[May not add due to rounding]

State	Breeding			Market			Total		
	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	155	155	100	645	585	91	800	740	93
Illinois .....	560	580	104	4,690	4,820	103	5,250	5,400	103
Indiana .....	260	250	96	3,940	3,900	99	4,200	4,150	99
Iowa .....	1,030	980	95	22,670	23,620	104	23,700	24,600	104
Kansas .....	170	180	106	1,880	1,920	102	2,050	2,100	102
Michigan .....	120	120	100	1,110	1,130	102	1,230	1,250	102
Minnesota .....	580	560	97	8,220	8,740	106	8,800	9,300	106
Missouri .....	470	470	100	3,080	3,280	106	3,550	3,750	106
Nebraska .....	450	440	98	3,150	3,360	107	3,600	3,800	106
North Carolina .....	900	870	97	8,100	8,330	103	9,000	9,200	102
Ohio .....	190	200	105	2,460	2,600	106	2,650	2,800	106
Oklahoma .....	450	450	100	1,720	1,810	105	2,170	2,260	104
Pennsylvania .....	120	150	125	1,150	1,210	105	1,270	1,360	107
South Dakota .....	245	285	116	1,595	1,745	109	1,840	2,030	110
Texas .....	150	155	103	940	965	103	1,090	1,120	103
Utah .....	80	80	100	670	870	130	750	950	127
Other States <sup>1</sup> .....	419	450	108	2,293	2,369	103	2,711	2,819	104
United States .....	6,349	6,375	100	68,313	71,254	104	74,661	77,629	104

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Market Inventory by Weight Group – States and United States: March 1, 2019 and 2020

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2019	2020	2019	2020	2019	2020	2019	2020
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado .....	290	290	135	110	105	70	115	115
Illinois .....	1,415	1,370	1,555	1,605	1,000	1,045	720	800
Indiana .....	1,040	980	1,100	1,100	920	950	880	870
Iowa .....	5,510	5,920	7,510	7,530	5,630	5,540	4,020	4,630
Kansas .....	480	460	440	500	395	390	565	570
Michigan .....	330	340	300	305	225	230	255	255
Minnesota .....	2,590	2,830	2,400	2,560	1,890	1,920	1,340	1,430
Missouri .....	1,555	1,520	560	670	505	595	460	495
Nebraska .....	1,060	1,140	880	905	690	710	520	605
North Carolina .....	3,190	3,210	1,700	1,810	1,590	1,700	1,620	1,610
Ohio .....	720	750	640	690	520	580	580	580
Oklahoma .....	800	830	360	365	210	250	350	365
Pennsylvania .....	315	340	325	355	245	250	265	265
South Dakota .....	590	695	390	395	320	345	295	310
Texas .....	275	280	260	275	180	185	225	225
Utah .....	295	325	120	180	130	180	125	185
Other States <sup>1</sup> .....	918	941	493	498	446	446	436	483
United States .....	21,373	22,221	19,168	19,853	15,001	15,386	12,771	13,793

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Breeding, Market, and Total Inventory – States and United States: June 1, 2019 and 2020

[May not add due to rounding]

State	Breeding			Market			Total		
	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	160	155	97	620	575	93	780	730	94
Illinois .....	590	570	97	4,760	4,930	104	5,350	5,500	103
Indiana .....	260	250	96	4,040	4,300	106	4,300	4,550	106
Iowa .....	1,000	960	96	22,900	24,240	106	23,900	25,200	105
Kansas .....	175	180	103	1,845	2,020	109	2,020	2,200	109
Michigan .....	120	120	100	1,130	1,070	95	1,250	1,190	95
Minnesota .....	570	550	96	8,230	9,050	110	8,800	9,600	109
Missouri .....	480	475	99	3,170	3,425	108	3,650	3,900	107
Nebraska .....	460	440	96	3,290	3,410	104	3,750	3,850	103
North Carolina .....	900	880	98	8,300	8,520	103	9,200	9,400	102
Ohio .....	200	210	105	2,550	2,690	105	2,750	2,900	105
Oklahoma .....	445	460	103	1,715	1,720	100	2,160	2,180	101
Pennsylvania .....	120	150	125	1,100	1,270	115	1,220	1,420	116
South Dakota .....	265	280	106	1,605	1,790	112	1,870	2,070	111
Texas .....	155	130	84	935	920	98	1,090	1,050	96
Utah .....	80	80	100	750	910	121	830	990	119
Other States <sup>1</sup> .....	430	436	102	2,376	2,468	104	2,805	2,904	104
United States .....	6,410	6,326	99	69,316	73,308	106	75,725	79,634	105

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Market Inventory by Weight Group – States and United States: June 1, 2019 and 2020

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2019	2020	2019	2020	2019	2020	2019	2020
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado .....	295	280	130	105	100	80	95	110
Illinois .....	1,465	1,410	1,530	1,575	945	1,085	820	860
Indiana .....	1,090	1,010	1,180	1,330	840	970	930	990
Iowa .....	5,920	5,790	7,520	7,670	5,430	5,900	4,030	4,880
Kansas .....	460	510	490	485	385	400	510	625
Michigan .....	320	310	320	300	230	220	260	240
Minnesota .....	2,630	2,800	2,590	2,590	1,730	2,000	1,280	1,660
Missouri .....	1,590	1,700	530	575	525	640	525	510
Nebraska .....	1,135	1,160	875	885	630	710	650	655
North Carolina .....	3,370	3,100	1,830	1,940	1,500	1,770	1,600	1,710
Ohio .....	730	720	660	700	590	620	570	650
Oklahoma .....	800	770	365	380	220	230	330	340
Pennsylvania .....	305	380	345	385	235	270	215	235
South Dakota .....	580	725	430	425	290	345	305	295
Texas .....	285	220	235	295	145	185	270	220
Utah .....	325	365	150	180	140	180	135	185
Other States <sup>1</sup> .....	910	910	513	550	461	485	492	522
United States .....	22,210	22,160	19,693	20,370	14,396	16,090	13,017	14,687

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Breeding, Market, and Total Inventory – States and United States: September 1, 2019 and 2020

[May not add due to rounding]

State	Breeding			Market			Total		
	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	160	165	103	630	485	77	790	650	82
Illinois .....	590	580	98	4,910	4,820	98	5,500	5,400	98
Indiana .....	250	250	100	4,150	4,200	101	4,400	4,450	101
Iowa .....	1,010	980	97	23,990	24,120	101	25,000	25,100	100
Kansas .....	175	175	100	1,915	1,915	100	2,090	2,090	100
Michigan .....	120	120	100	1,120	1,100	98	1,240	1,220	98
Minnesota .....	580	530	91	8,620	8,670	101	9,200	9,200	100
Missouri .....	490	470	96	3,160	3,530	112	3,650	4,000	110
Nebraska .....	450	430	96	3,350	3,370	101	3,800	3,800	100
North Carolina .....	900	870	97	8,700	8,730	100	9,600	9,600	100
Ohio .....	200	220	110	2,600	2,750	106	2,800	2,970	106
Oklahoma .....	460	450	98	1,790	1,650	92	2,250	2,100	93
Pennsylvania .....	120	150	125	1,140	1,290	113	1,260	1,440	114
South Dakota .....	265	285	108	1,735	1,765	102	2,000	2,050	103
Texas .....	155	140	90	1,045	920	88	1,200	1,060	88
Utah .....	80	85	106	880	955	109	960	1,040	108
Other States <sup>1</sup> .....	426	433	102	2,418	2,496	103	2,843	2,929	103
United States .....	6,431	6,333	98	72,153	72,766	101	78,583	79,099	101

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Market Inventory by Weight Group – States and United States: September 1, 2019 and 2020

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2019	2020	2019	2020	2019	2020	2019	2020
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado .....	305	260	130	100	95	50	100	75
Illinois .....	1,510	1,380	1,650	1,530	900	1,080	850	830
Indiana .....	1,110	1,030	1,230	1,370	860	830	950	970
Iowa .....	6,360	6,290	8,010	7,630	5,520	5,730	4,100	4,470
Kansas .....	490	490	510	465	375	420	540	540
Michigan .....	310	320	310	300	225	230	275	250
Minnesota .....	2,950	2,650	2,850	2,620	1,710	1,870	1,110	1,530
Missouri .....	1,530	1,600	590	690	545	690	495	550
Nebraska .....	1,190	1,140	890	880	670	710	600	640
North Carolina .....	3,440	3,250	2,140	2,030	1,580	1,710	1,540	1,740
Ohio .....	780	720	690	710	540	610	590	710
Oklahoma .....	805	755	465	360	225	190	295	345
Pennsylvania .....	315	355	330	410	265	275	230	250
South Dakota .....	655	700	450	435	305	320	325	310
Texas .....	345	300	290	220	185	140	225	260
Utah .....	355	370	175	195	175	195	175	195
Other States <sup>1</sup> .....	926	949	514	545	479	497	499	504
United States .....	23,376	22,559	21,224	20,490	14,654	15,547	12,899	14,169

<sup>1</sup> Individual State estimates not available for the 34 Other States.



## Breeding, Market, and Total Inventory – States and United States: December 1, 2018 and 2019

[May not add due to rounding]

State	Breeding			Market			Total		
	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	155	155	100	595	605	102	750	760	101
Illinois .....	560	590	105	4,840	4,910	101	5,400	5,500	102
Indiana .....	260	250	96	3,990	4,200	105	4,250	4,450	105
Iowa .....	1,020	1,010	99	22,580	24,090	107	23,600	25,100	106
Kansas .....	170	180	106	1,880	1,980	105	2,050	2,160	105
Michigan .....	120	120	100	1,060	1,120	106	1,180	1,240	105
Minnesota .....	570	570	100	8,530	8,930	105	9,100	9,500	104
Missouri .....	470	490	104	3,180	2,910	92	3,650	3,400	93
Nebraska .....	440	440	100	3,110	3,410	110	3,550	3,850	108
North Carolina .....	900	900	100	8,300	8,600	104	9,200	9,500	103
Ohio .....	200	210	105	2,350	2,740	117	2,550	2,950	116
Oklahoma .....	445	450	101	1,755	1,830	104	2,200	2,280	104
Pennsylvania .....	120	140	117	1,190	1,190	100	1,310	1,330	102
South Dakota .....	255	280	110	1,495	1,730	116	1,750	2,010	115
Texas .....	150	155	103	960	985	103	1,110	1,140	103
Utah .....	80	80	100	630	880	140	710	960	135
Other States <sup>1</sup> .....	411	451	110	2,300	2,467	107	2,710	2,918	108
United States .....	6,326	6,471	102	68,745	72,577	106	75,070	79,048	105

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Market Inventory by Weight Group – States and United States: December 1, 2018 and 2019

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2018	2019	2018	2019	2018	2019	2018	2019
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado .....	270	280	125	130	85	100	115	95
Illinois .....	1,555	1,485	1,525	1,630	910	975	850	820
Indiana .....	1,035	1,130	1,225	1,170	820	930	910	970
Iowa .....	5,650	6,040	7,450	7,720	5,260	5,750	4,220	4,580
Kansas .....	455	475	515	475	380	420	530	610
Michigan .....	320	340	280	310	210	220	250	250
Minnesota .....	2,880	2,850	2,510	2,770	1,830	1,860	1,310	1,450
Missouri .....	1,625	1,270	575	620	510	540	470	480
Nebraska .....	1,065	1,200	805	875	610	650	630	685
North Carolina .....	3,290	3,400	1,780	2,030	1,600	1,610	1,630	1,560
Ohio .....	670	840	610	760	520	550	550	590
Oklahoma .....	755	780	390	475	280	260	330	315
Pennsylvania .....	335	305	335	340	265	275	255	270
South Dakota .....	575	680	365	400	285	330	270	320
Texas .....	270	300	260	275	170	170	260	240
Utah .....	240	320	125	185	135	185	130	190
Other States <sup>1</sup> .....	868	953	494	526	453	496	485	491
United States .....	21,858	22,648	19,369	20,691	14,323	15,321	13,195	13,916

<sup>1</sup> Individual State estimates not available for the 34 Other States.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: December-February 2019-2021

[December preceding year. May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2021 <sup>2</sup>	2021 as percent of 2020	2019	2020	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	78	72	75	104	9.20	10.30	718	742	103
Illinois .....	270	290	280	97	10.65	10.95	2,876	3,176	110
Indiana .....	125	120	125	104	10.20	10.60	1,275	1,272	100
Iowa .....	530	520	520	100	11.20	11.25	5,936	5,850	99
Kansas .....	86	87	84	97	10.60	10.40	912	905	99
Michigan .....	56	57	53	93	10.90	11.10	610	633	104
Minnesota .....	300	300	255	85	11.60	11.85	3,480	3,555	102
Missouri .....	245	250	245	98	10.55	11.00	2,585	2,750	106
Nebraska .....	185	190	180	95	11.55	11.60	2,137	2,204	103
North Carolina .....	455	450	450	100	9.90	10.50	4,505	4,725	105
Ohio .....	93	100	103	103	10.70	11.00	995	1,100	111
Oklahoma .....	205	210	210	100	10.65	10.40	2,183	2,184	100
Pennsylvania .....	55	53	54	102	10.80	11.00	594	583	98
South Dakota .....	119	141	143	101	11.85	12.10	1,410	1,706	121
Texas .....	66	69	71	103	10.20	10.35	673	714	106
Utah .....	40	40	45	113	9.20	11.00	368	440	120
Other States <sup>3</sup> .....	191	209	218	104	9.96	10.49	1,906	2,195	115
United States .....	3,099	3,158	3,111	99	10.70	11.00	33,163	34,734	105

<sup>1</sup> Number of pigs born December-February that were still on hand March 1, or had been sold.

<sup>2</sup> Intentions.

<sup>3</sup> Individual State estimates not available for the 34 Other States.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2019 and 2020

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2020 as percent of 2019	2019	2020	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	78	74	95	10.70	10.10	835	747	89
Illinois .....	275	275	100	10.75	10.80	2,956	2,970	100
Indiana .....	120	125	104	10.70	10.60	1,284	1,325	103
Iowa .....	530	510	96	11.45	11.40	6,069	5,814	96
Kansas .....	86	89	103	10.70	10.70	920	952	103
Michigan .....	54	54	100	11.00	10.60	594	572	96
Minnesota .....	295	300	102	11.85	11.70	3,496	3,510	100
Missouri .....	242	255	105	10.65	11.00	2,577	2,805	109
Nebraska .....	200	200	100	11.50	11.10	2,300	2,220	97
North Carolina .....	460	460	100	10.50	10.60	4,830	4,876	101
Ohio .....	98	98	100	11.20	11.10	1,098	1,088	99
Oklahoma .....	215	215	100	10.55	10.80	2,268	2,322	102
Pennsylvania .....	54	57	106	11.10	11.10	599	633	106
South Dakota .....	123	140	114	11.95	12.30	1,470	1,722	117
Texas .....	66	68	103	10.50	11.00	693	748	108
Utah .....	43	43	100	10.70	10.80	460	464	101
Other States <sup>2</sup> .....	194	209	107	10.32	10.37	2,005	2,165	108
United States .....	3,133	3,172	101	11.00	11.01	34,454	34,933	101

<sup>1</sup> Number of pigs born March-May that were still on hand June 1, or had been sold.

<sup>2</sup> Individual State estimates not available for the 34 Other States.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2019 and 2020

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2020 as percent of 2019	2019	2020	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	79	79	100	10.70	10.00	845	790	93
Illinois .....	290	285	98	10.95	10.70	3,176	3,050	96
Indiana .....	120	125	104	11.00	11.30	1,320	1,413	107
Iowa .....	550	530	96	11.35	11.30	6,243	5,989	96
Kansas .....	90	88	98	10.90	10.70	981	942	96
Michigan .....	55	54	98	11.10	11.40	611	616	101
Minnesota .....	300	280	93	11.95	11.80	3,585	3,304	92
Missouri .....	260	255	98	11.10	11.20	2,886	2,856	99
Nebraska .....	194	180	93	11.65	11.70	2,260	2,106	93
North Carolina .....	500	480	96	10.50	10.50	5,250	5,040	96
Ohio .....	102	103	101	11.30	10.50	1,153	1,082	94
Oklahoma .....	230	215	93	10.90	10.80	2,507	2,322	93
Pennsylvania .....	51	56	110	11.30	11.10	576	622	108
South Dakota .....	129	143	111	11.85	12.20	1,529	1,745	114
Texas .....	71	61	86	10.90	10.60	774	647	84
Utah .....	44	43	98	11.00	11.00	484	473	98
Other States <sup>2</sup> .....	210	203	97	10.44	10.43	2,189	2,118	97
United States .....	3,275	3,180	97	11.11	11.04	36,369	35,115	97

<sup>1</sup> Number of pigs born June-August that were still on hand September 1, or had been sold.

<sup>2</sup> Individual State estimates not available for the 34 Other States.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 2018-2020

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2018	2019	2020 <sup>2</sup>	2020 as percent of 2019	2018	2019	2018	2019	2019 as percent of 2018
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	75	76	69	91	9.60	10.60	720	806	112
Illinois .....	280	285	280	98	10.65	10.95	2,982	3,121	105
Indiana .....	130	125	125	100	10.60	10.50	1,378	1,313	95
Iowa .....	570	540	520	96	11.20	11.35	6,384	6,129	96
Kansas .....	85	92	87	95	10.90	10.75	927	989	107
Michigan .....	54	56	55	98	10.50	10.85	567	608	107
Minnesota .....	310	310	270	87	11.40	11.85	3,534	3,674	104
Missouri .....	255	265	245	92	10.60	11.10	2,703	2,942	109
Nebraska .....	195	195	185	95	11.45	11.70	2,233	2,282	102
North Carolina .....	475	480	445	93	10.15	10.55	4,821	5,064	105
Ohio .....	99	104	110	106	10.60	11.40	1,049	1,186	113
Oklahoma .....	205	220	215	98	10.60	10.85	2,173	2,387	110
Pennsylvania .....	52	57	57	100	11.00	11.20	572	638	112
South Dakota .....	127	138	144	104	11.65	12.00	1,480	1,656	112
Texas .....	67	68	62	91	10.40	10.40	697	707	101
Utah .....	37	41	41	100	10.00	11.50	370	472	128
Other States <sup>3</sup> .....	189	213	208	98	10.09	10.47	1,906	2,231	117
United States .....	3,205	3,265	3,118	95	10.76	11.09	34,496	36,205	105

<sup>1</sup> Number of pigs born September-November that were still on hand December 1, or had been sold.

<sup>2</sup> Intentions.

<sup>3</sup> Individual State estimates not available for the 34 Other States.

## Statistical Methodology

**Survey Procedures:** A random sample of roughly 5,000 United States producers was surveyed to provide data for these estimates. Survey procedures ensured that all hog and pig producers, regardless of size, had a chance to be included in the survey. Large operations were sampled more heavily than small operations. During the first half of September 2020, data were collected from about 3,500 operations, 68.5 percent of the total sample. The data collected were received by electronic data reporting, mail, and telephone. Regardless of when operations responded, they were asked to report inventories as of September 1, 2020.

**Estimating Procedures:** Hogs and pigs estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each regional field office. National and State survey data were reviewed for reasonableness with each other and with estimates from past years using a balance sheet. The balance sheet begins with the previous inventory estimate, adds the estimates of births and imports, and subtracts the estimates of slaughter, exports, and deaths. This indicated ending inventory level is compared to the Agricultural Statistics Board estimate for reasonableness.

**Revision Policy:** Revisions to previous estimates are made to improve quarter to quarter relationships. Estimates for the previous four quarters are subject to revision when current estimates are made. In December, estimates for all quarters of the current and previous year are reviewed. The reviews are primarily based on hog check-off receipts and slaughter. Estimates will also be reviewed after data from the Department of Agriculture five-year Census of Agriculture are available. No revisions will be made after that date.

**Reliability:** Since all operations raising hogs are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplication, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "**Root Mean Square Error**" is shown for selected items in the following table. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the difference between first and final estimates. The "Root Mean Square Error" for hog inventory estimates over the past 20 quarters is 1.0 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 79.1 million head by more than 1.0 percent. Chances are 9 out of 10 that the difference will not exceed 1.7 percent.

### Reliability of Quarterly Hog Estimates

[Based on data for the previous 20 quarters]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Quarters	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
All hogs and pigs .....	1.0	1.7	573	0	1,710	10	8
Pig crop .....	1.7	2.9	425	0	1,104	11	7
Expected farrowings							
Second intentions .....	2.3	4.0	56	2	129	17	3
First intentions .....	2.4	4.1	59	8	145	16	4

## Records by Quarter – United States: 1866 to Present

[This table provides data users with record high estimates of all hogs and pigs, market hogs, pig crop, and pigs per litter since each data series began]

Item	Estimate	Record high	Series began
	(1,000 head)	(year)	(year)
All hogs and pigs .....			
March 1 .....	77,629	2020	1988
June 1 .....	79,634	2020	1964
September 1 .....	79,099	2020	1988
December 1 .....	83,741	1943	1866
Market .....			
March 1 .....	71,254	2020	1988
June 1 .....	73,308	2020	1964
September 1 .....	72,766	2020	1988
December 1 .....	72,577	2019	1963
Pig crop .....			
December-February <sup>1</sup> .....	34,734	2020	1970
March-May .....	34,933	2020	1970
June-August .....	36,369	2019	1970
September-November .....	36,205	2019	1970
	(number)	(year)	(year)
Pigs per litter .....			
December-February <sup>1</sup> .....	11.00	2020	1970
March-May .....	11.01	2020	1970
June-August .....	11.11	2019	1970
September-November .....	11.09	2019	1970

<sup>1</sup> December preceding year.

## Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@usda.gov](mailto:nass@usda.gov).

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Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Suzanne Richards – Dairy Products .....	(202) 720-4448
Seth Riggins – Hogs and Pigs .....	(202) 720-3106

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agencies archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@usda.gov](mailto:nass@usda.gov).

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## **USDA NASS Data Users' Meeting**

**Virtual Meeting**  
**Wednesday, October 28, 2020**

USDA's National Agricultural Statistics Service will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2020 Fall Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will answer questions and welcome comments and input from data users. Registration details will be coming soon.